

# Understanding Cancer

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Use the resources provided on the CD-ROM to complete this worksheet.

## Section 1: Factors Reported to Be Associated with Cancer

View the *News Alert* videos and use the information provided to identify what each video suggests is the cause of cancer and what evidence supports that claim.

<b>News Alert Video</b>	<b>Factor Proposed to Cause Cancer</b>	<b>Evidence</b>
<i>Cancer and Chemical Poisons</i>		
<i>Cancer and Your Family History</i>		
<i>Cancer and Radiation Exposure</i>		
<i>Cancer and UV Light</i>		

## Section 2: Building an Explanation for the Cause of Cancer

View the animations on the CD-ROM. Think about the information each animation presents, then write a one-sentence statement for each that summarizes what you learned.

### Animation 1:

Cancer involves . . .

**Animation 2:**

Cell division normally is . . .

**Animation 3:**

Cell cycle regulation is accomplished by . . .

**Animation 4:**

Cancer-causing agents often . . .

**Animation 5:**

When damage occurs to genes that regulate the cell cycle . . .

### **Section 3: Explaining Factors Associated with Cancer**

Review your notes from Section 1, then write a sentence that describes how our current understanding of cancer explains the role that each factor plays in causing cancer.

*Cancer and Chemical Poisons*

*Cancer and Your Family History*

*Cancer and Radiation Exposure*

*Cancer and UV Light*